

IN THE CLAIMS

Pleas amend the claims as follows:

1. Canceled.
2. (Currently Amended) The system of claim 10 further comprising:
a mobile vehicle for collecting survey data in GPS format.
3. (Currently Amended) The system of claim 10 wherein said mobile vehicle carries said Real-Time Kinematic Differential Global Positioning System device ~~an RTK~~
~~system~~.
4. (Currently Amended) The system of claim 10 wherein the mobile vehicle is selected from the group consisting of: ATV'S, construction equipment, tractors, trucks, cars, boats, ships, helicopters, and airplanes.
5. Canceled.
6. (Currently Amended) The system ~~for managing drainage system design~~ of claim 10 wherein the field computer ~~management means~~ is a laptop ~~personal~~ computer.
7. Canceled.
8. Canceled.
9. Canceled.
10. (Original) A system for installing sub surface systems in a designated area comprising:

a field computer comprising logic instructions for surveying and mapping a designated area with GPS coordinates;

a Real-Time Kinematic Differential Global Positioning System device electronically connected to said field computer for collecting survey data points;

an automated machine tool for installing sub surface components having a computer for controlling the grade according to an instruction set;

a management computer comprising logic instructions for preparing a contour map from latitude, longitude, and altitude coordinates, a sub surface system design, preparing an instruction set to control the machine tool grade, and calculating cost estimates for the sub surface system design; and

at least one I/O means for transferring data between the field computer, the management computer, and the automated machine tool.

11. Canceled.
12. Canceled.
13. Canceled.
14. Canceled.
15. Canceled.